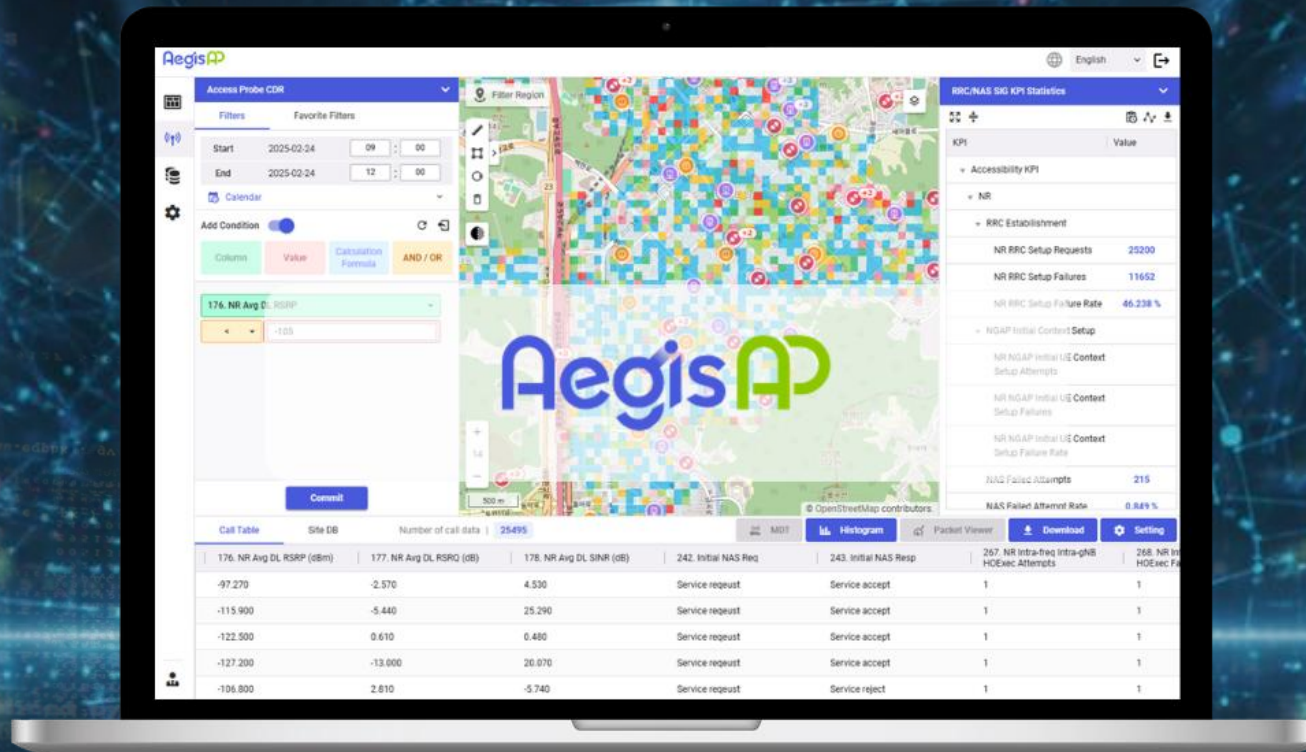


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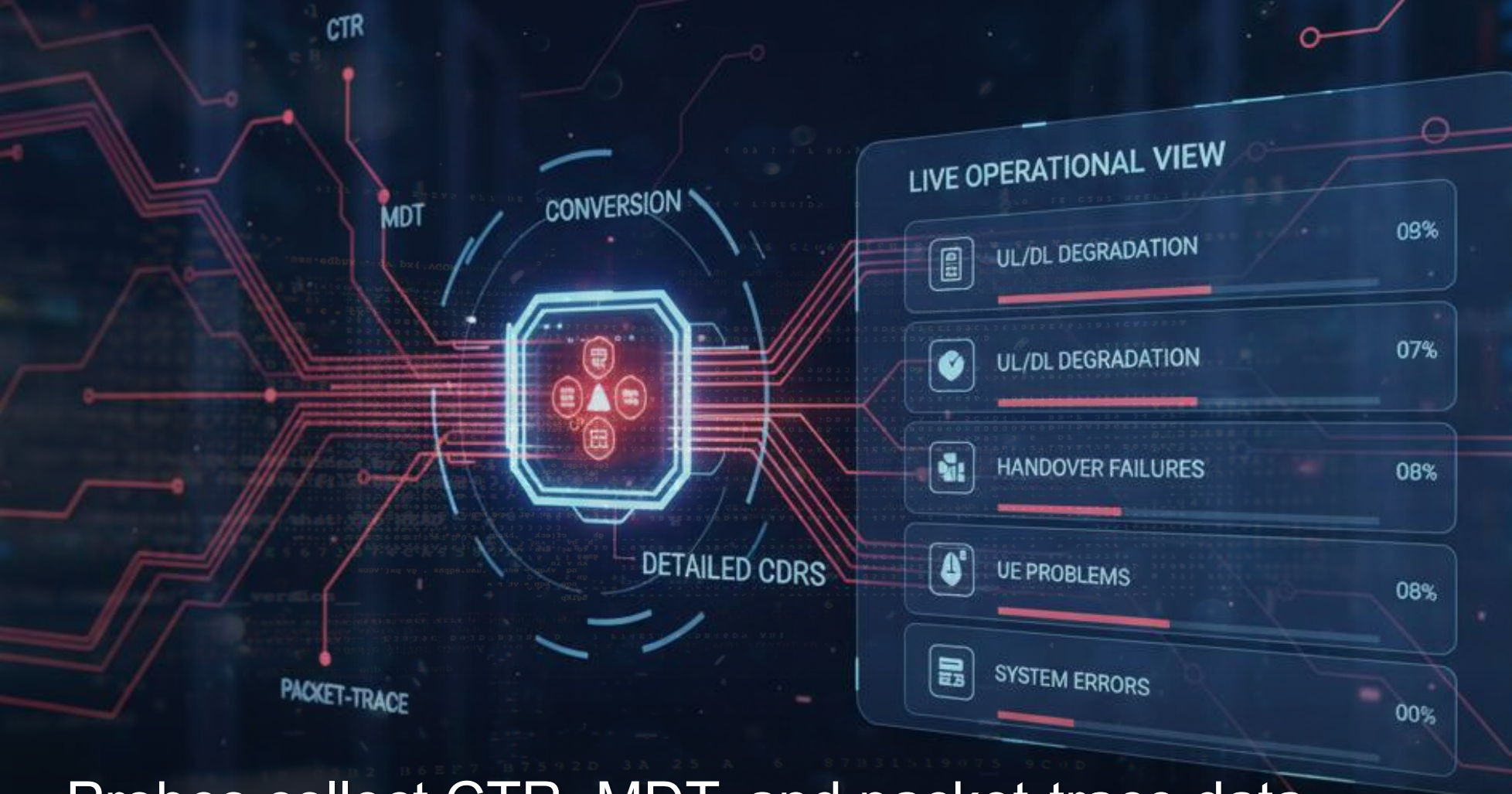


Automated Network Issue Detection AEGIS

As 5G and LTE networks grow more complex, issues appear faster than manual monitoring can handle. AEGIS continuously analyzes large-scale RAN and Core data to spot problems instantly—often before users notice them.



AEGIS processes millions of call events in real time, immediately surfacing abnormal behavior. It pinpoints faulty cells, shows their locations on a map, and correlates key KPIs using a high-performance big-data engine.



Probes collect CTR, MDT, and packet-trace data across the network and convert them into detailed CDRs. Automated logic classifies UL/DL degradation, handover failures, UE problems, and system errors, creating a live operational view.



AEGIS integrates AI RCA trained on over one million failure logs. The model identifies the true cause of setup failures, drops, and throughput issues with around 97% accuracy—removing guesswork and manual interpretation.



XCAL-Manager
Field Measurement Triggered

Automatically Built
Measurement Triggered

XCAP-Cloud Instant Reporting

Field Trace Analysis

Packet Trace Analysis

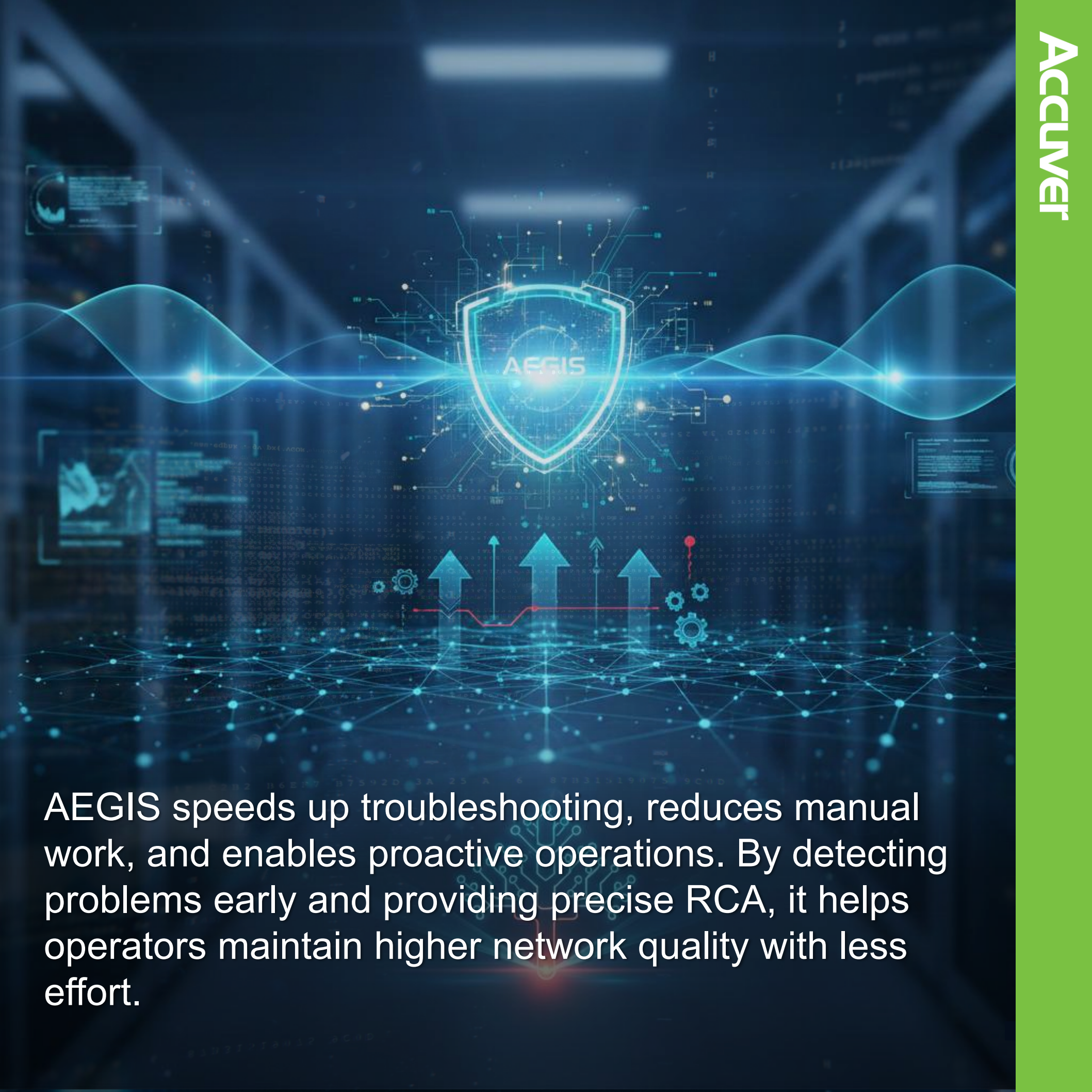
Signaling Flow Diagram

Automated Service
Status Report

Lab ID: TBBS Status: Confirmed

Reports Generated Instantly

When a bad cell is detected, AEGIS automatically builds test routes, triggers field measurements via XCAL-Manager, and processes logs in XCAP-Cloud. Packet traces, signaling flows, and reports are generated instantly.

The background is a complex digital interface. In the center, a glowing shield with the word 'AEGIS' inside is surrounded by intricate circuitry and data lines. Below the shield, there are several blue upward-pointing arrows of varying heights, some accompanied by gear icons. A red line graph is also visible, showing a fluctuating trend. The overall aesthetic is high-tech and futuristic, with a blue and green color palette.

AEGIS speeds up troubleshooting, reduces manual work, and enables proactive operations. By detecting problems early and providing precise RCA, it helps operators maintain higher network quality with less effort.

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For more information

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